MIDMARK®

Installation Instructions

002-0690-00 L/R Upgrade Kit
002-0731-00 L/R Bearing & Spacer Kit

KIT COMPONENTS

Part Number	Description	Qty
002-0690-00	L/R Upgrade Kit	
• 029-2696-01	L/R Mount Adapter	1
• 040-0500-28	1/2"-13 x 1 3/4" Bolt	1
• 110207	Bearing, Thrust	1
• 120712	Washer, Thrust	2
• 050-5259-00	Spacer	1
• 016-0196-02	Bearing, Thrust	1
• 016-0300-02	Washer, Thrust	2
• 003-1227-00	Instructions	1

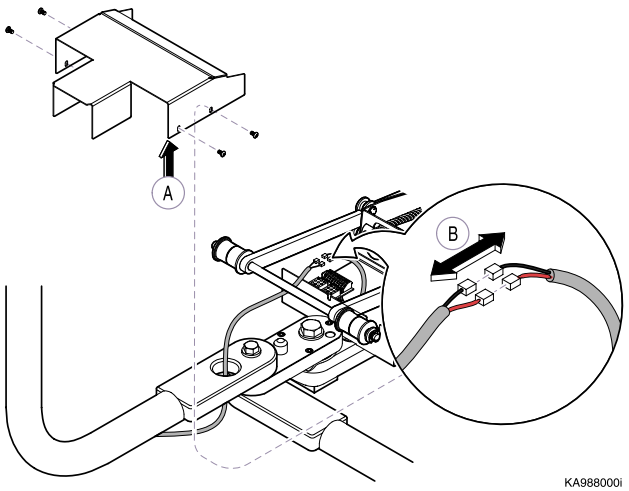
GENERAL INFORMATION

L/R Upgrade Kit provides an additional thrust bearing on the L/R Light Mount Adapter. Used in applications that contain a Light plus ProCenter®, Whip or other accessory mounted in an L/R configuration. The additional bearing facilitates a smooth movement of the arms during repositioning.

WARNING

Assure all electric, air and water supply is turned off or disconnected before working on the equipment. Failure to comply could result in serious personal injury.

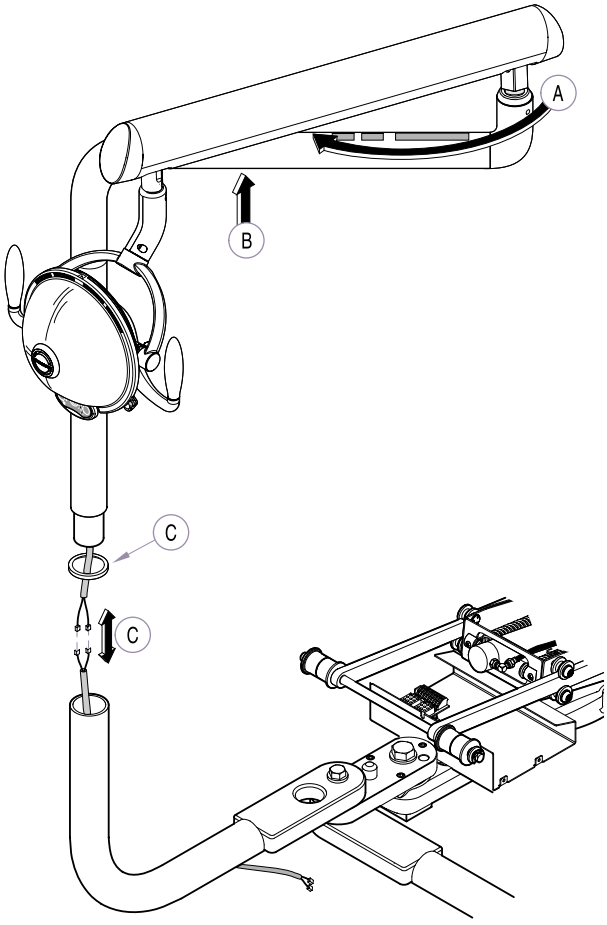
REMOVAL (LIGHT ARM)



A. After lifting seat section of chair, remove connection box cover.

B. Disconnect wires.

REMOVAL (LIGHT ARM)



EQUIPMENT ALERT

Use an assistant to secure lightarm at pivot points when performing the following steps. Failure to do so could result in equipment damage.

A. Swing flex arm shaft toward curved arm assembly and secure the arms.

NOTE

When separating the light arm assemblies from the lower arm assembly use care as not to damage wire harnesses.

B. Using an assistant, lift up on the arm assemblies to separate them far enough to disconnect wire harness.

C. Disconnect wire harnesses and carefully set lighthead and arm assemblies to the side. Do not lose the nylon washers located between the arm assemblies.

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REMOVAL (LIGHT ARM)

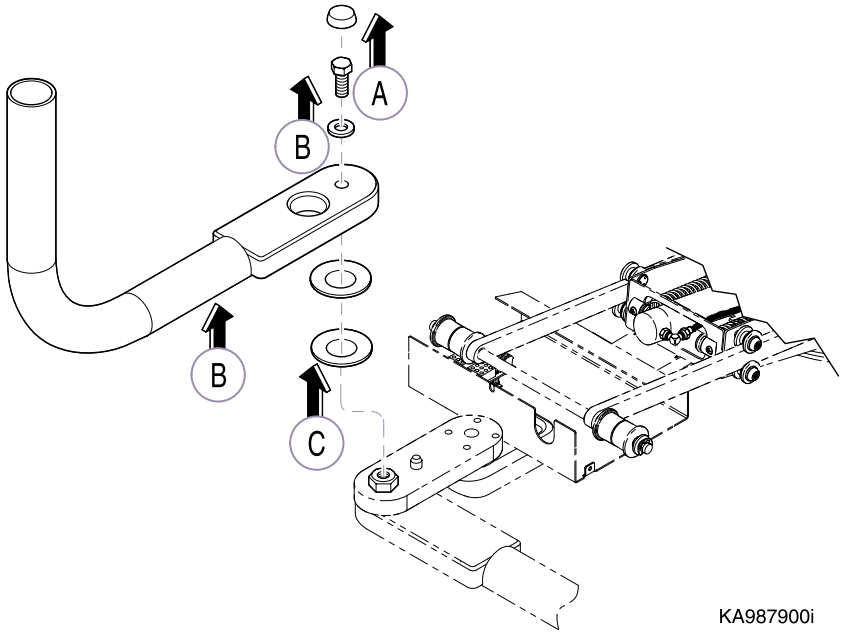
EQUIPMENT ALERT
Support lower light arm assembly during disassembly to prevent damage to equipment.

A. Remove bolt cover.

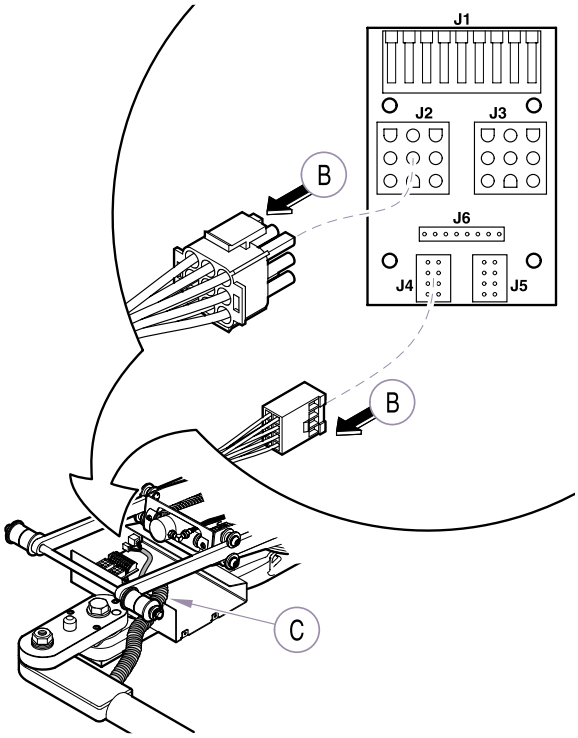
B. Supporting lower light arm, remove bolt, washer and lower light arm.

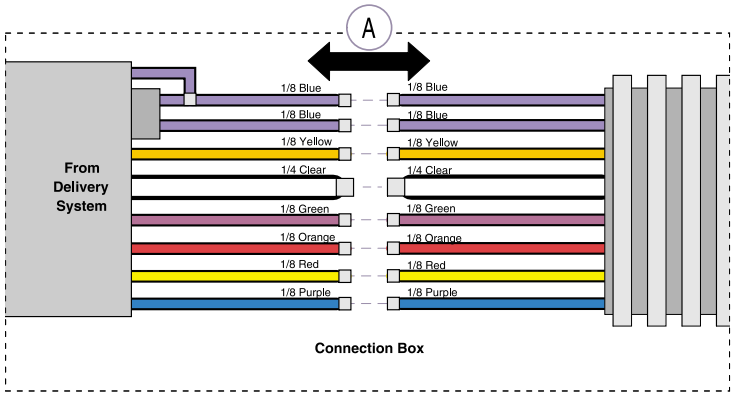
C. Remove delrin (white) and steel washer.

NOTE
Save the cap for use during installation. The washers and bolt can be discarded.



REMOVAL (PROCENTER / WHIP ARM)





A. Disconnect tubing from Delivery unit to chair in connection box.

B. Disconnect delivery system accessory wire harness from J2 and J4 on PC board.

C. Remove conduit, that encloses tubing and wiring from notch located on connection box.

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REMOVAL (PROCENTER / WHIP ARM)

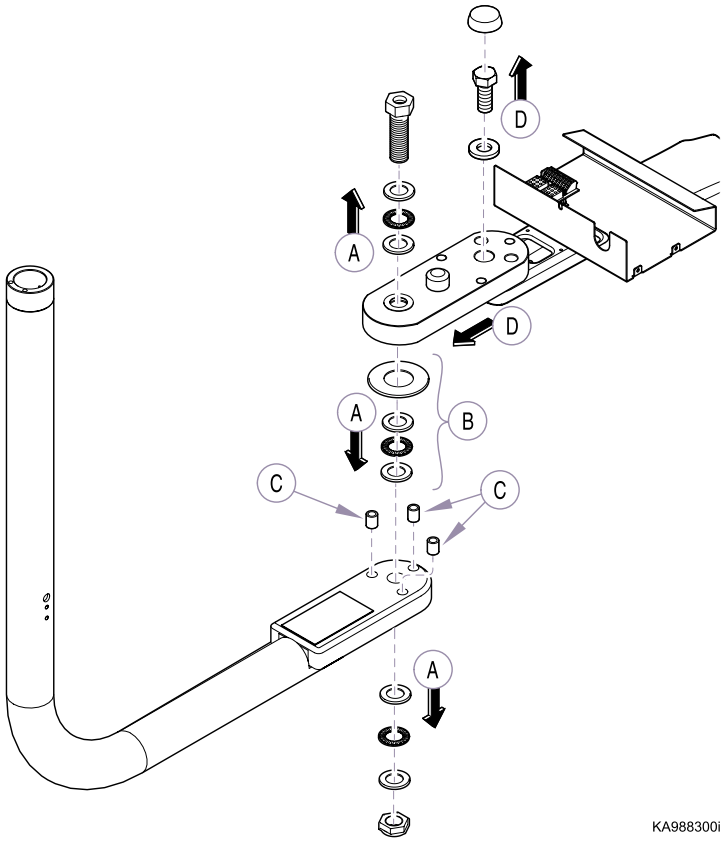
A. Supporting lower delivery arm, remove bolt, thrust bearings, washers, and nut then remove lower delivery arm.

B. Save the large (2 1/2") metal washer, thrust bearing, and two smaller washers for later install. The bolt can be discarded.

C. Inspect the three friction bearings for excessive wear and replace if necessary.

D. Remove the cap, bolt, lockwasher, and L/R mount adapter.

NOTE
Save the mounting bolt, lockwasher and cap from the L/R adapter after removal.



INSTALLATION (PROCENTER / WHIP ARM)

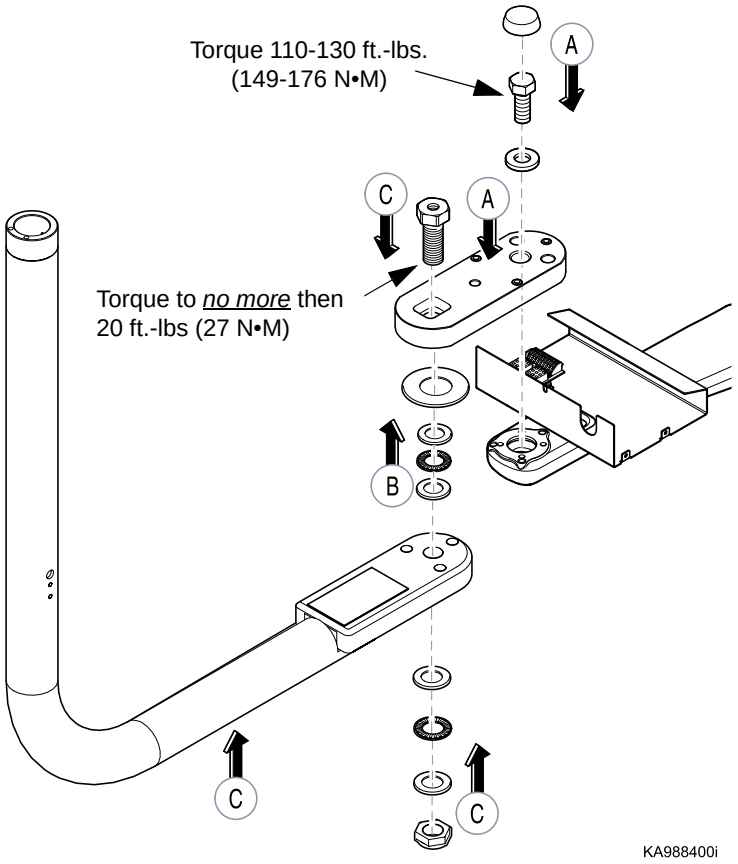
A. Place the L/R adapter in position and secure with the mounting bolt and lockwasher. (Torque to 110 to 130 ft-lbs [149 to 176 N•M]). Install the cap on the bolt head.

B. Position the large metal washer, thrust bearing and two small washers in position on the lower delivery arm.

NOTE
The head of the mounting bolt will be countersunk when installed in the L/R adapter.

C. While supporting the lower delivery arm, install the small thrust bearing, two small metal washers, nut, and bolt.

NOTE
Torque the bolt to *no more* then 20 ft.-lbs (27 N•M)



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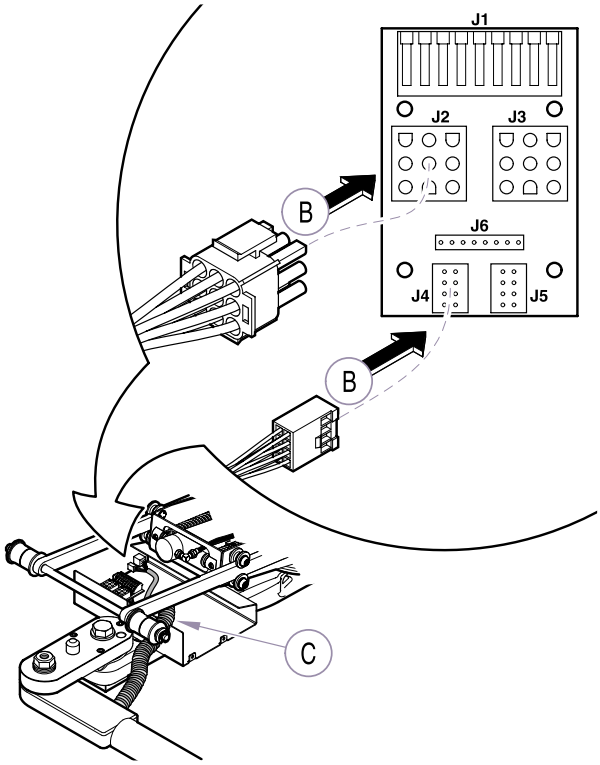
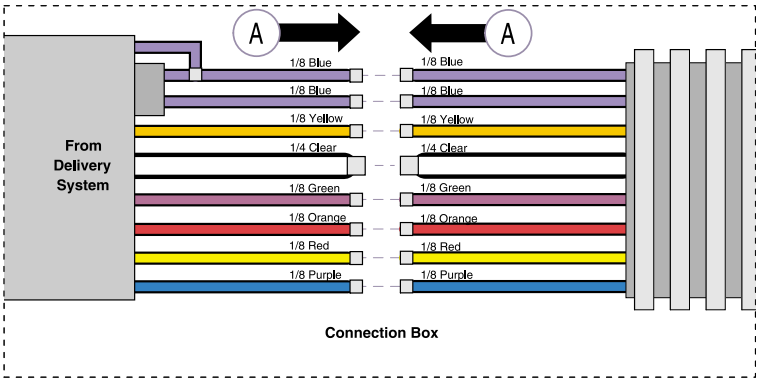
INSTALLATION (PROCENTER / WHIP ARM)





EQUIPMENT ALERT

Assure tubing is correctly matched by color when reconnecting.

A. Connect tubing from Delivery unit to chair in connection box.

B. Connect delivery system accessory wire harness to J2 and J4 on PC board.

C. Insert conduit, that encloses tubing and wiring, into notch located on connection box.

INSTALLATION (LIGHT ARM)

A. Place the small spacer, two thrust washers and thrust bearing in position on the L/R mount adapter

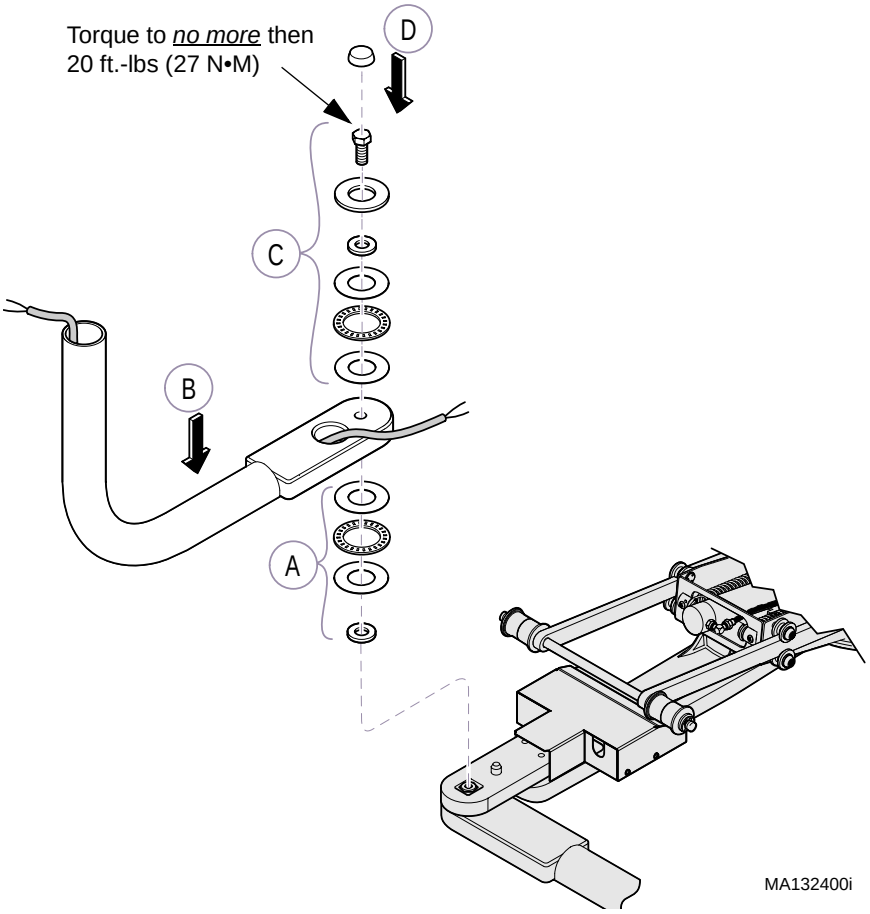
B. Place lower light arm assembly in position on L/R mount adapter.

C. Install two thrust washers, thrust bearing, small spacer, large spacer, and bolt.

NOTE

Torque bolt to no more then 20 ft.-lbs (27 N•M).

D. Place cap on head of bolt.



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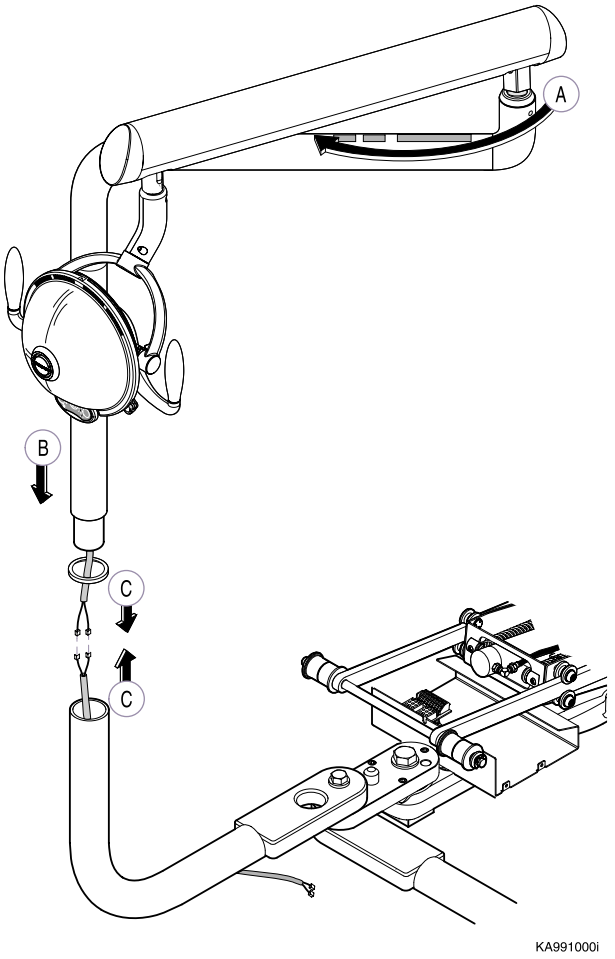
INSTALLATION (LIGHT ARM)



EQUIPMENT ALERT

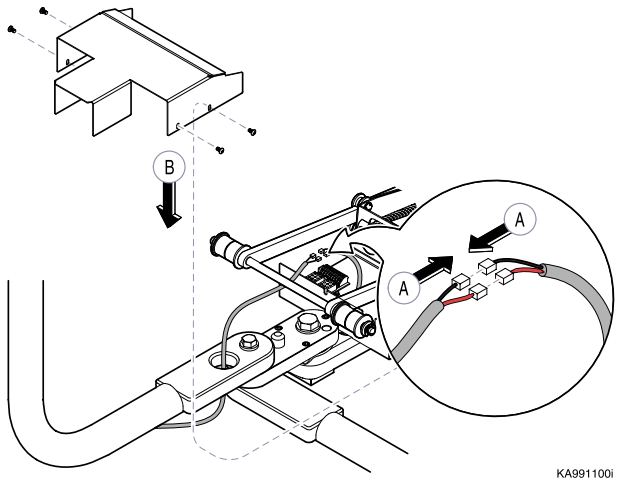
Use an assistant to support the lightarm when performing the following steps. Failure to do so could result in equipment damage.

A. Swing flex arm shaft toward curved arm assembly and secure the arms.

B. Place the large nylon washer in position.

C. Connect wire harnesses and carefully slide the lightarm assembly into the lower arm assembly.

INSTALLATION (LIGHT ARM)



A. Connect wires.

B. Install connection box cover then lower the seat section and check operation.

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